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**THE FOLLOWING ARE THE ENGLISH TRANSLATION
OF AMENDMENTS UNDER ARTICLE 19:**

Amended Sheets (Pages 38-41)

CLAIMS

1. A bicycle headlamp comprising:

a rotor comprising a plurality of magnet plates
5 attached to spokes of a bicycle wheel along the
circumference of the wheel, each magnet plate having the
form of an arc of a certain circle and comprising a
plurality of magnets disposed at regular circumferential
spacings with alternating south and north poles; a stator
10 comprising a power-generating coil comprising a coil and an
iron core disposed in a fixed position to face the magnetic
pole faces of the magnet plates of the rotor; and a case
containing at least a headlamp electrical circuit for
establishing resonance at a frequency synchronized with a
15 certain relative speed of the magnets by means of the power-
generating coil of the stator and a capacitor connected in
series with the power-generating coil and for rectifying,
smoothing, and outputting electric power obtained from the
power-generating coil, a light-emitting diode which is lit
20 by the electric power supplied from the headlamp electrical
circuit, and a condenser lens for focusing light emitted
from the light-emitting diode in front of the bicycle and
for illuminating the roadway.

2. A bicycle headlamp according to Claim 1, wherein the
25 stator comprises the magnet plates attached to the spokes of

the bicycle along the circumference of the wheel, in a continuous ring shape or in separate positions.

3. A bicycle headlamp according to Claim 1, wherein the light-emitting diode is a white light-emitting diode with a
5 luminous intensity of 2 cd or higher, and the lens has such a focal length that a certain level of illumination is ensured at a specified distance.

4. A bicycle headlamp according to Claim 4, wherein a plurality of light-emitting diodes are used; the lens is a
10 dome-shaped lens disposed for each of the light-emitting diodes, the dome-shaped lens having a curvature, a diameter, and a thickness calculated to obtain a specified level of illumination in a specified circle at a specified distance by focusing light; and a reflector is provided on a flat-
15 plate portion above the lens, by applying a treatment for producing diffused reflection, so that the approach of the bicycle can be noticed ahead of the bicycle.

5. A bicycle headlamp according to Claim 1, 2, 3, or 4, wherein the stator, comprising the power-generating coil,
20 the headlamp electrical circuit, the light-emitting diode, and the condenser lens are contained in the case as a unit.

6. A bicycle headlamp according to Claim 1, 2, 3, or 4, wherein the headlamp electrical circuit, the light-emitting diode, and the condenser lens are contained in the case; and
25 the stator, comprising the power-generating coil, is

separately disposed outside the case.

7. A headlamp electrical circuit comprising:

a resonance circuit for establishing resonance at a frequency synchronized with a specified relative speed of the magnets, the resonance circuit comprising a power-generating coil of the stator and a capacitor connected in series with the power-generating coil; and a rectifying and smoothing circuit for rectifying and smoothing electric power obtained from the power-generating coil of the resonance circuit and for supplying the electric power to the light-emitting diode.

8. A headlamp electrical circuit according to Claim 7, wherein the rectifying and smoothing circuit comprises: a dc-dc converter for rectifying electric power obtained from the power-generating coil of the resonance circuit by means of a diode and for smoothing out the electric power by means of a smoothing capacitor; and a constant-current circuit comprising at least two transistors, two resistors, and a capacitor, for receiving a direct current from the dc-dc converter and supplying a constant current to the light-emitting diode.

9. A headlamp electrical circuit according to Claim 7, wherein a light sensor and/or a manual switch is connected to the constant-current circuit; and the constant-current circuit is configured to allow or interrupt current supply

to the light-emitting diode in accordance with a sense signal from the light sensor, is configured to allow or interrupt current supply to the light-emitting diode in accordance with an on/off signal from the manual switch, or

5 . is configured to allow or interrupt current supply to the light-emitting diode in accordance with either or both of the signal from the light sensor and the signal from the manual switch.